

**Artists Using Science and Technology**

Ylem (Eye-lum): The exploding mass out of which the universe emerged in the Big Bang

**Ylem Newsletter**  
Vol. 14, No. 5 May 1994

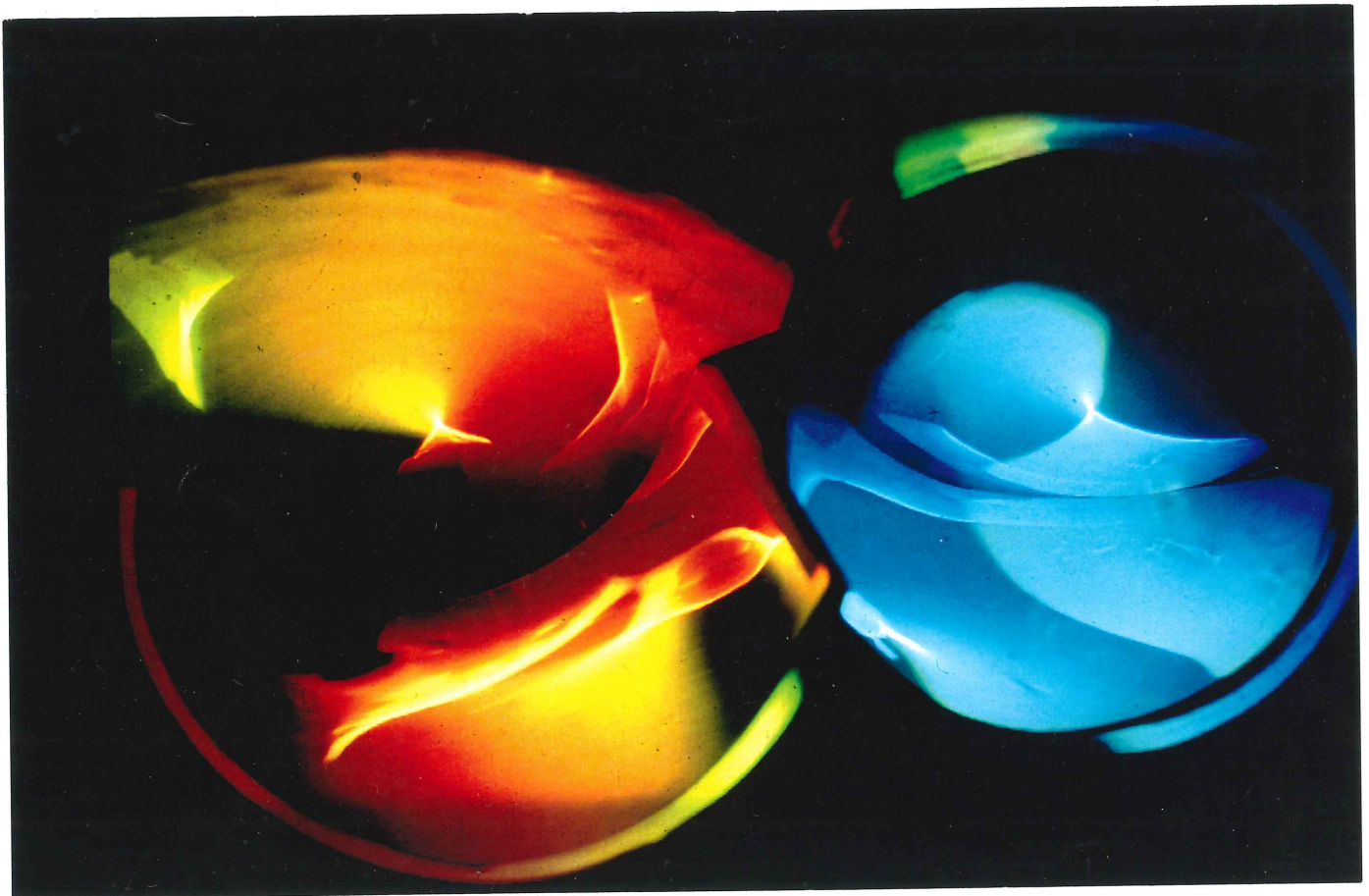
## ***In the Spell of Motion and Light***

by Trudy Myrrh Reagan

Early in this century, a few artists foresaw art forms based on new inventions that would change forever how we view the world. One of the most influential seers was Moholy-Nagy, a teacher at the Bauhaus in prewar Germany and author of *Vision in Motion*. In it, he described the dance of ephemeral abstract visual elements in a new kind of performance. After the Bauhaus became the Institute of Design, Alex Nicoloff studied there with Moholy-Nagy himself. Nicoloff began in 1974 to experiment with a heliostat, a solar collector which moves synchronously with the sun to assure a steady stream of light, and with prisms to break the beam into pure spectral color for art. *Kinetic Spectral Lights*, on our cover, is a "light painting" which dates from that period.

His wife, Martha, enthralled with his medium, became his collaborator. They now live in Berkeley, where they have turned their basement into an underground receptacle for a beam of sun. There, they make plexiglas prisms and collect curious glass objects to refract it into a euphoria of color and motion in their magic cave. Since the sun is so often hidden in Berkeley, making it difficult to show what they do on demand, they began several years ago to capture kinetic light paintings on videotape. They take turns on the video camera and editing, and set their intricate moving compositions to the music of such contemporary composers as Tom Nunn and Steve Reich. The Nicoloffs' productions have won them two NEA Fellowship Awards.

Since many electronic artists like to think they are creating the world completely anew, it may be time for another look at the vision of Moholy-Nagy, one which Nicoloffs have realized and so deliciously expanded upon. When Alex Nicoloff speaks at the Ylem Forum on May 4th, some of us will regard him as a bearer of embers from the first fire.



*Kinetic Spectral Lights*, color beams from heliostat prism by Alex Nicoloff, 1979



## Why Solar Sculpture?

by Herbert and Joan Webster Price

The creation of solar energy sculptures represents the joining of symbolic object and energy source. Just as Stonehenge jointly served the purpose of religious monument and astronomical observatory for the calculation of seasons, solar sculpture harnesses the symbolism of the sun's energy as well as capture its physical energy.

There is a long and enduring tradition in art. The most precious ideas have been coupled in ways that combine the esthetic, the symbolic and the functional. It is only recently that art has divided itself, perhaps arbitrarily, between meaning and object. Prehistoric monuments have harnessed together esthetic magnificence, celestial observation and public inspiration. Since then artists have worked in multiple forms of art to unify the values and ideals of their times—inspiring, guiding, illustrating and functioning in service of those beliefs through art.

Solar sculptures are a continuation of that tradition. They are sculptural monuments to the life-giving energy of the sun. Each one who views them will carry away his/her own message whether esthetic, symbolic or functional. To reach the highest goal they will unify all three.

The sculptures are designed to accept a variety of solar energy collectors consistent with esthetics and function. These devices can include photo-voltaic and direct radiant heat collectors. The pieces will have their collecting surface(s) facing southward. Several sculptures have these surfaces angled to reflect maximum interception planes with the solar transitions across the sky.

The sculpture, *Sun Altar*, which serves an aesthetic function at Manhattan Psychiatric Center, Wards Island in New York City, can heat water for fountains, pools or greenhouses as well as creating lovely mists of steam. The sculpture's collector/heating section transfers heated water to an insulated hot water chamber, which is recirculated to the collector via a

## Garage Virtual Reality

*Garage Virtual Reality* by Linda Jacobson (Sams/Prentice Hall Computer Books, 1994), 420 pg. 16 in color, with 3.5" HD diskette (DOS) of *Virtual Reality Studio* Isoftware plus demos, \$29.95.

Reviewed by Trudy Myrrh Reagan

Ylem Member Linda Jacobson begins her book, subtitled "The Affordable Way to Explore Virtual Worlds," with this definition:

Virtual reality [VR] refers to the experience of interacting with a computer system that presents a "virtual world" of simulated sights and sounds. The virtual world is created from three-dimensional graphics and audio elements. The virtual world is not pre-recorded; it is generated on-the-fly by the computer. You can navigate and interact with the virtual world and its contents at will.

In 9 years, VR has come from being expensive experiments by research teams to projects for the dedicated individual's garage. This means the chances get better and better that artists will experience, and perhaps help create imaginary worlds in which the computer image immediately responds to their gestures.

How to get started? *Garage Virtual Reality* is a how-to book, full of specifics. Subjects include buying and using reasonably-priced visual displays,

thermostatically-controlled pump powered by a 12-volt battery. The outer pool, or reservoir section, constructed of polyester and fiberglass on plywood, replenishes the inner chamber's water supply as it is lost by evaporation.

[Theo Ferguson comments: "Many solar solutions are not highly technical and invite collaboration. Both in the creation of artworks and in more practical applications, we are turning from the centralized, the hierarchical ways of solving community problems to decentralized and collaborative ways of thinking and working together. Each citizen becomes an important part of this process."]

input devices and software on common IBM-PC, Macintosh or Amiga platforms. It has how-to sections for building certain parts of the system and for collaborating with far-flung colleagues over the network.

But it is more. As a curious outsider, I was pleased with sidebars that define even the basic buzzwords. I was delighted with the nine long interviews with people around the continent who are actually doing it, and why they find it alluring.

The clarity and friendly tone of the writing is enhanced by legible design and a book that stays open while you pick up your tools. The software would be fun, had I the right equipment to run it.

Jacobson firmly believes that conceptual advances will come from garages, not big business. This book will be especially reassuring to isolated individuals who thought they were the only ones struggling to build low-end systems.

Linda Jacobson will give a talk for Ylem on May 18. Details on page 3.

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## Color on the Cover

Ylem gratefully acknowledges the help of Larry Finch and Taylor Made Office Systems in San Francisco for the color reproductions. Here is how it was done:

The Nicoloff's slide was imaged on the Canon Laser Copier 550 using the digital film scanner and Canon's Intelligent Processor (IPU-10), a memory buffer, directly connected to the copier. It was scanned at 1200 dots per inch (dpi) into the IPU. Using the embedded features of the copier, a four-up step and repeat on 11x17 paper was programmed into the machine. 80 11x17 pages were completed in 32 minutes. The image was printed at 400 dpi. The paper is Weyerhaeuser First Choice Laser Paper-24#. No image or color manipulation was performed. Please call Larry Finch, 415-355-8470 for more information.

## Ylem Forum: Solart Global Network--Suns Alive!

**May 4, 7:30 pm**

**Mc Bean Theater, The Exploratorium  
3601 Lyon St., San Francisco**

**Contact: Theo, 510-548-7490**

Coordinated and Moderated by Theo Ferguson

Presentation and Interaction by members of the Solart Global Network and you! Join in the creation of outdoor solar artworks to bring the Solar Age to fruition!

**Alex Nicoloff**, solar sculptor, will present some current works including his "Spectral Wave" which will be installed at the Lawrence Hall of Science during the season of the Solart Global Network

exhibitions and presentations in Summer of 1995.

**Roger Malina**, editor of the journal, *Leonardo*, will present his perspective and experiences involving solar art and the Solart Global Network.

**David Anderson** will present his solar saucer.

**A representative of REDI**, the Renewable Energy Development Institute, will present the Solar Energy Expo and Rally-July 15-17, 1994.

In the presentation of this collaborative activity, tapes and slides by Jürgen Claus, Pierre Comte, Peter Erskine,

Setsuki Ishii, Dieter Jung, Shunsuke Mitamura, and Sally Weber will be presented. These artists, from three continents, are participating in the Solart Global Network event. They are representative of the diverse artists and groups of artists, who use a spectrum of solar media. Solar media represented by these artists includes: photovoltaics: flat and flexible; an art satellite; prisms; holograms: including stereo holograms. Alex and Martha Nicoloff, Scott Eartherton and Theo Ferguson are teaming up to produce a video on Solar: *Up Front and Personal*.

See how you can become a citizen of the Solar Age!

### **Ylem Lecture: Linda Jacobson Speaks about Garage VR**

**Wednesday, May 18, 7:30 pm**

**McBean Theatre, The Exploratorium,  
3601 Lyon St., San Francisco**

We are lucky to have Linda Jacobson, a journalist, writer and speaker who specializes in emerging communications and entertainment technologies, speak to us. She has many contacts, especially with the exciting start-ups in the Bay Area. She is editor of *Cyberarts: Exploring Art & Technology*.

### **Ylem Board Meeting**

**Wednesday, May 25, 7:30 pm**

**Studio of Ken Rinaldo, 1342 11th  
Ave., San Francisco; call Ken, 415-  
566-5133 for directions. Agenda  
input/info, call Bev, 510-482-2483**

The planning for the *1994-5 Directory of Artists Using Science and Technology* begins. A new team will produce the *Ylem Newsletter*. Future programs and exhibits will be discussed. We invite your input!

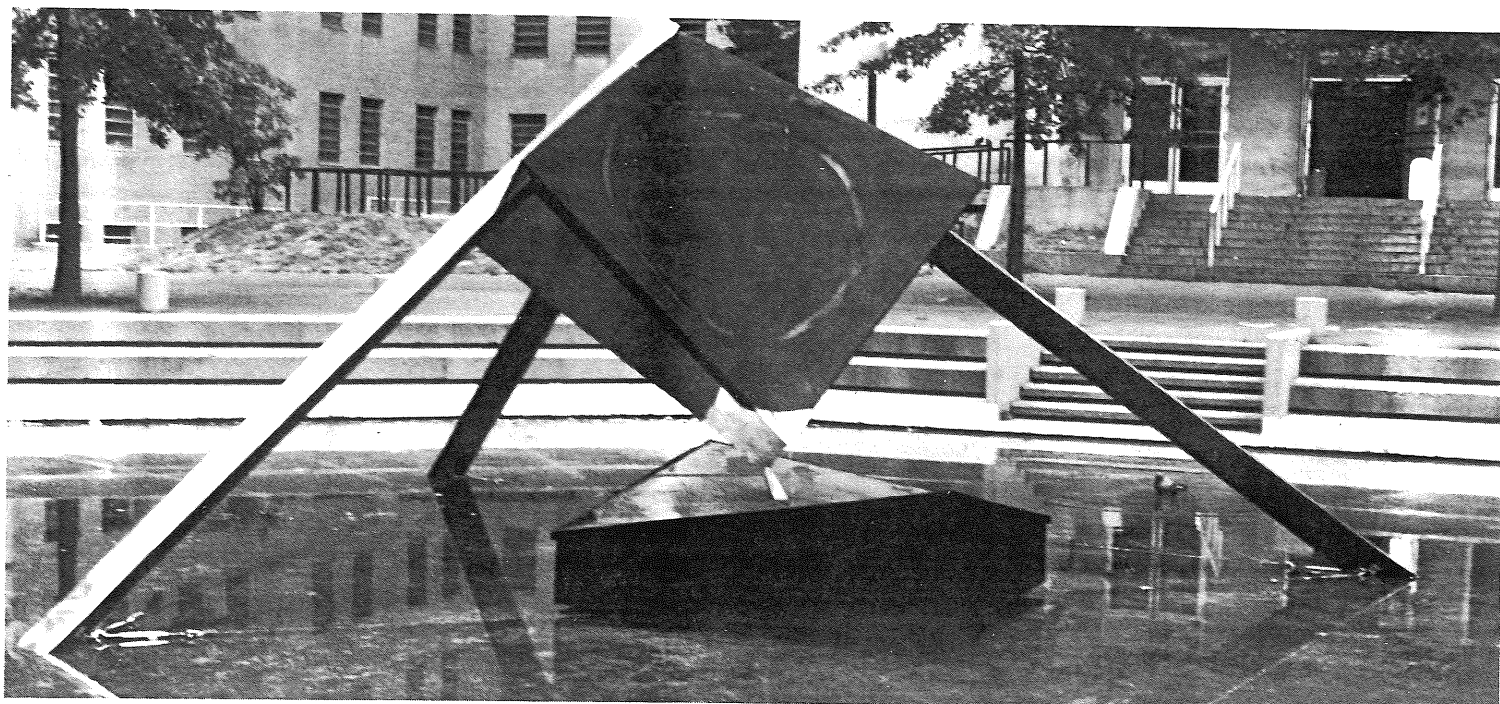
### **Ylem Lecture: Frank Popper Speaks on Electronic Art**

**Thursday, June 9, 7:30 pm**

**McBean Theatre, The Exploratorium,  
3601 Lyon St., San Francisco;**

Parisian critic and author of *Art of the Electronic Age* makes a rare visit to the West Coast to share his long experience with the international field of electronic art with us.

*Sun Altar*, solar sculpture by Herbert and Joan Webster Price  
(see article on page 2, and diagram on page 7).



# YLEM

# CALLS AND

## Events

May 1, 2-8 pm

### Dave Archer Studio Sale

Million-volt painting demonstrations at 3, 5, 6:30 PM. Silent auction, refreshments, door prizes, surprises. Ylem member Dave Archer does the cosmic paintings often seen on Star Trek sets. Benefit for Fairfax-San Anselmo Children's Center. Admission \$5. **Dave Archer Studios, 56A Hamilton Dr., San Rafael, CA; Info: 415-457-2196; on May 1st, 415-883-9689**

May 4, 7:30 pm

### Ylem Forum: Solart Global Network—Suns Alive!

Details on page 3.

May 7, 9 am - 10 pm

### Menage a Trois (New York)

Sponsors: NYC ACM/SIGGRAPH and Pace University. The interplay of computers, Video and Music. An all-day conference at Pace University. \$45 members and students. \$55 non-members. \$75 combined membership/conference. Info: **Lynn Pocock-Williams, Pratt Institute, Dept. of Computer Sciences, ARC Building, 200 Willoughby Avenue, Brooklyn, NY 11205; 212-362-5303**

May 7

### Music & Multimedia '94

Music & Multimedia '94 is the interactive day at the San Francisco Film Festival. See computer-generated images projected on the big screen and watch the new sounds of music. \$25 for daytime seminars. \$15 for evening showcase. \$35 for entire event. **Castro Theater, 429 Castro Street, San Francisco, 415-433-7112; fax 415-433-7113**

May 17-22

### National Educational Film & Video Festival

This festival concentrates on non-theatrical and educational media. It includes interactive and other displays and installations, as well as opportunities for socializing with media professionals. **National Educational Film & Video Festival, 655 Thirteenth St., Oakland, CA 94612-1220; 510-465-6885**

May 18, 7:30 pm

### Ylem Lecture: Garage VR

Linda Jacobson speaks. Details on page 3.

May 19, 7:30

### Eyestruck

Ylem member Dave Krzysik presents "Eyestruck" and the future of television, a lecture/demo defining the nature of the poetry

and film genre. This genre, promoted since 1975 by the Poetry Film Workshop, is just now gaining acceptance in the new rush to merge all the art forms with digital media. \$3 donation requested. **Canessa Park Gallery, 708 Montgomery, San Francisco, CA; info: Dave 415-776-6602**

May 23-26

### Silicon Graphics Expo

SGI products for Scientific & Business Visualization. Wed., May 25 has seminars and demos treating entertainment, desktop animation, interactive, electronic publishing, interactive electronic publishing, virtual reality, video, CAD. Full conference, \$695, includes technical tutorials. Seminars and exhibits only, \$495. Exhibits only \$40. Held at San Jose Convention Center. **Silicon Graphics Expo, 12416 Hymeadow Drive, Austin, TX 78750; 1-800-727-3976; Fax 512-331-3950**



May 25

### Ylem Board Meeting

Details on page 3.

Electric painter Dave Archer  
(see event on May 1)

May 28-30

### Compose Yourself

Compose Yourself, a summer-long festival of sound and music (see *Exhibits*), begins with a Memorial Day weekend series of special events. All events take place in the Sound Studio inside the Compose Yourself exhibition (unless otherwise noted). All events are free with museum admission. **Exploratorium, 3601**

**Lyon Street, San Francisco, CA 94123; 415-563-7337; Fax 415-561-0307**

June 9, 7:30 pm

### Ylem Lecture: Art of the Electronic Age

Frank Popper speaks. Details on page 3.

June 21-25

### Ars Electronica (Linz, Austria)

Prestigious electronic arts festival has "Intelligent Environments" as its theme this year. Last day to register is *May 10*. **Ars Electronica, Bruchnerhaus, Untere, Donaulände 7, A-4020 Linz, Austria; tel. 0732 7612-0; Fax 0732 78 37 45**

June 26, 1-6 pm

### WADC Miniature Art Auction

Includes works by Ylem artists Diane Fenster, Rhoda Grossman and Jeremy Sutton. Art no larger than 8", with prices starting at \$20. Wine and refreshments. Benefit. Admission: \$15/ students \$10. **Palo Alto Cultural Center, 1313 Newell Rd., Palo Alto, CA 94303**

July 7

### Interactive Media Festival (Los Angeles)

The Interactive Media Festival is a global search for definitive examples of interactive media and art. The first Festival Awards Show is at the Universal Amphitheater in Los Angeles. Call festival office for info: **408-764-0759; inquiry@media.festival.com**

## Exhibits

Through May

### Holographic Movies (London)

The Museum of the Moving Image is showing the world's first two holographic art movies. Ylem artist Alexander has created moving pictures in 3-D having movement parallax. **Museum of the Moving Image, South Bank, London SE1, UK**

Through May 8

### Arte Reactivo (Madrid)

Sixteen international artists will exhibit technological works in an exhibition under the Madrid Opera house in an abandoned metro station. A poetic, urban setting for artworks that are normally exhibited in commercial or competition contexts. Info, photos, catalogs, passes available from: **Rafael Lozano-Hemmer or Patricia Bellinger, tel. in Spain (341) 522 1977**

May 10 - July 11

All events and exhibits are in the San Francisco Bay Area except where noted. Is your event or exhibit



## Living In Balance

A Reduce, Reuse, Recycle Exhibition, Living in balance is an exhibition of artwork focused on ecology and the environment by conservation artists and designers. **Richmond Art Center, Civic Center Plaza, Richmond, CA 94804; 510-620-6772**

*May 12 – June 24*

## In the Spirit of Fluxus

Fluxus has been called the most radical art movement of the 1960s, and a critical influence on subsequent visual and performance art in the U.S. and abroad. This exhibition will include works by Claes Oldenburg, Nam June Paik, and Yoko Ono. **San Francisco Museum of Modern Art, 401 Van Ness Ave., San Francisco, CA 94102; 415-252-400**

*May 28 – September 5*

## Compose Yourself

The Exploratorium looks at music composing relating it to physics and acoustics of sound, hearing and music; also, to physiology and perception (enjoyment!). Interactive exhibits include twenty new ones; performances, lectures, workshops, and demonstrations throughout the summer. **Exploratorium, 3601 Lyon Street, San Francisco, CA 94123; 415-563-7337; Fax 415-561-0307**

*June 8 – September 2*

## New Directions in Photography (Washington, DC)

Features four artists, one of whom is Ylem member Les Barta. **American Association for the Advancement of Science, 1333 H St. NW, Washington, DC; info: Jeannette Murray, 202-429-0573**

## Opportunities

*May 1*

## Act of Video Festival (New York City)

Sponsored by Downtown Community Television Center. Format: 1/2", 3/4", 8mm and Fisher Price Pixel. Preview and screening tapes must be sent on 3/4" or VHS. No fee. All categories. **Downtown Community Television Center, 57 Lafayette Street, New York, NY 10013; 212-941-1298**

*Deadline May 10*

## 25th Sinking Creek Film/Video Festival

Nov. 8-13. 16 mm, 35 mm, 3/4" video. All genres: Animation, Dramatic, Experimental, Documentary. Proposals also sought from multi-media artists for an installation May 8-13 in conjunction with the festival. SASE to: **Sinking Creek Video Festival, 402 Sarratt, Vanderbilt Univ., Nashville, TN 37240; 615-322-2471**

*Deadline May 13*

## The 100 Show

Open to all, work "which represents significant trends in communication design. Judged not on complexity or budget, but rather the entry's conception and execution." Full-color book, and exhibition in Chicago in the fall and travelling the U.S. **The 100 Show, American Center for Design, 233 E. Ontario St., #500, Chicago, IL 60611, 312-787-2018, Fax 649-9518**

*Deadline May 27*

## Faculty Position (Laguna Beach, CA)

Computer Graphics/Computer Imaging Instructor. Assistant or Associate Professor. MFA in Graphic Design and/or Computer Graphics (may be waived for outstanding professional recognition). Previous teaching experience at the college or university level preferred. Candidates must be capable of teaching a wide range of computer art and graphic design courses. Job will also entail joint supervision of 12-station Macintosh imaging lab. This is a full-time position with a possibility of re-appointment. Ylem member Karin Schminke held this job. She must move, and says this is a *nice* position. **Vito-Leonardo Scarola, Chair of Visual Communications, Art Institute of Southern California, 2222 Laguna Canyon Road, Laguna Beach, CA 92651. 800-367-9349 (within California); 800-255-0762 (Outside CA)**

*Deadline May 27*

## Return to the Pleasure Principle (Buffalo)

Reviewing work or proposals making use of any photographically-based process or material (incl. computer, video, traditional, alternative, installation). "This exhibition...[will] return to the older forces of nature: to instinct and emotion, visual pleasure and spiritual values." Send SASE to: **Return to the Pleasure Principle, CEPA Gallery, 700 Main St., 4th Fl, Buffalo, NY 14202; 716-856-2717; Fax -2720**

*Deadline May 27*

## Electro-Video Clip Competition

4th International Electro-Video Clip Competition. Cash prizes. Length of works: minimum 2 minutes, maximum 3 minutes. Technical formats accepted: audio category: DAT cassette (44.1 khz or 48 khz); Two track analog 1/4 inch tape (19 cm or 38 cm), video category: UMATIC (PAL/SECAM or NTSC); Hi8 (NTSC). Send SASE. Audio Entry: **Electro-Video Clip Competition: c/o ACRED 4001 Berri #202, Montreal, Quebec, Canada H2L 4H2. Info: Claude Schryer: 514-849-9534; infomus@vax2.concordia.ca; Fax 514-987-1862; Video entry: Electro-Video**

**Clip Competition, c/o OBSCURE, 729, Cote d'Abraham, Quebec, Canada G1R 1A2. Info: Emile Morin; 418-529-3775; Fax 418-529-5611**

*Deadline May 29*

## Around the Coyote Festival

Juried show seeks new electronic media works. Seen by over 100,000 people during four-days each September (9/8-9/11) Each artist will be afforded a space of about 80 sq. feet with partitions and lighting as part of the \$120 basic fee (\$100 exhibition fee + \$20 CD-ROM slide registry) All those chosen will have 3 of their images placed in the new A.T.C. CD-ROM slide registry. This year's show will have a greater emphasis on new electronic media (in both art and graphic design). For prospectus, send SASE to: **Around the Coyote, 1579 N Milwaukee, Ste. 200, Chicago, IL 60622; Scott Becker, 312-862-8373**

*Deadline May 31*

## The Internet Art Connection

Selected artists "will have their work described on Internet, now accessed by 20 million people and growing, and will be notified of people who have expressed interest in the work." Send \$5/ slide (max. 5), SASE to: **The Internet Art Connection, P.O. Box 2068, Astoria, NY 11102-0068**

*Deadline May 31*

## Who's on Third?

"Do we citizens of the Earth have a collective planetary culture? If so, would you symbolize it? What makes us who we are?" All media, no fees, no jury, no size restrictions. Postmark required on all pieces. Work will be exhibited and auctioned" to benefit the non-profit Denali Foundation." Send work, or SASE for more info. **Denali Foundation, P.O. Box 212, Denali Park, AK 99755 907-479-0182**

## Chaos and Graphics: call for papers

Seeking interesting, well-written articles for the "Chaos and Graphics Section" of the international journal *Computers and Graphics* (Pergamon Press). For more information, contact: or send papers to **Cliff Pickover, IBM Watson Research Center, Yorktown Heights, New York 10598; cliff@watson.ibm.com**

## International Sculpture Conference

The International Sculpture Conference will be held in San Francisco in August, 1994. Two Ylem members are already involved, computer sculptor Bruce Beasley and neon sculptor Lee Roy Champagne. Suggestions by Ylem members for collaboration with this event may be directed to: **Lee Roy Champagne, National Neon Institute, 1070 Tyler St., Benicia, CA 94510; 707-747-6167**

## Media/Interface: call for proposals

Proposals sought for a major exhibition during the fall of 1995. The theme of the exhibition is "connectivity and media/interface," and will feature work that employs electronic networks with multiple contributors and sites, and work that incorporates interactivity and other innovative connections among artist, artwork, and audience. Contact: **Rob Blitz, The Art Gallery, 301-405-2763; rb27@umail.umd.edu**

## Multimedia Jobs available

Full-time positions available in idyllic Lexington, MA. Best if you have worked before in user interface design, Macintosh toolbox, Director, and/or Authorware. **Sheung Li, Mercer Management Consulting; 617-861-7580; sli@mit.edu**

## VR festival in Spain

Spain's first VR company is organizing the Art Futura festival in September 1994 in its Madrid edition with the theme "Robots," involving conferences, exhibition space, performances. **Realidad Virtual, S.L. C/Almirante, 26 3' 28004 Madrid (Spain); 91.5230509/5312938; fax: 91.5233309; rvsl@solea.quim.ucm.es**

## Ylem Newsletter Needs You!

Members can learn valuable desktop publishing and editing skills by volunteering for newsletter production. Email enables editorial work by distant members. Local helpers needed: a San Franciscan who will let us input text on his/her Mac. Also, a commuter between the Peninsula and Oakland area who can deliver things. Contact: **Trudy Myrrh Reagan, 967 Moreno Ave, Palo Alto, CA 94303; 415-856-9593; trudymyrrh@aol.com**

## Zero One Gallery (Bowling Green, OH)

Seeking artists for solo and group shows of computer generated 2-or 3-D work (may include printed, interactive, or installation work). Space is located inside a computer store. Call for more details, or send 10-20 slides, resume, statement, SASE to **Jim Youll, Zero One Gallery, 1085 Main St., Bowling Green, OH 43402, 419-354-2110**

## Needs/Offerings

*Through July 8*

### Summer Intensives (Minneapolis)

The Minneapolis College of Art and Design is offering ten courses on computer and media topics. Register one month prior to start of course. Dates: various, between June and August. **Records Office, Summer Intensives 94, Minneapolis College of Art and Design, 2501 Stevens Ave. S., Minneapolis, MN 55404; 612-874-3727; registration@macmail.mcad.edu**

*Through August*

### BAVC Video Workshops

The Bay Area Video Coalition offers hands-on workshops on multimedia, careers in multimedia, video production, video engineering, digital video editing, and more. **Bay Area Video Coalition, 1111 17th St., San Francisco, CA 94107; 415-861-3282; Fax 415-861-4316**

### Base Arts

Digital resource facility providing workstations for artists. **Steph/Comer, Base Arts, 381 Liberty St., San Francisco, CA 94119; 415-821-4989; base@well.sf.ca.us.**

### Electronic Review literary magazine

The *Electronic Review* literary magazine is now available. The *Electronic Review* is an MS-DOS hypertext magazine designed to showcase emerging writers and computer artists. **FTP@clark.net /clarknet/opt/ftp/pub/jacobs as ER- 9402.ZIP**

### Fast Company

New magazine subtitled, "Managing Change/ Changing Management." Combines human values, environmental concerns with bottom-line results. \$29.95. **1100 MA Ave., Cambridge, MA 023138; 617-497-1361; 1-800-505-FAST**

### Frontiers of Scientific Visualization

Edited by C. Pickover (Ylem member) and S. Tewksbury, \$34.95. The book explores the art and science of making the unseen workings of nature visible. Some chapter titles: Scientific Visualization of Fluid Flow, Visualization of Scroll Waves, Visualization of Chemical Gradients, Visualization of Biological Information Encoded in DNA, Scientific Display: A Means of Reconciling Artists and Scientists, Architecture and Applications of the Pixel Machine. **Wiley-Interscience, 605 Third Ave., New York, NY 10158-0012; 1-800-Call-Wiley; Fax 908-302-2300**

### Intellectual Property Rights

Seeking information on intellectual property rights, arts education and the new media. Leonardo is working with a group organizing: a) A seminar on the impact of the new media on intellectual property rights (legal, commercial, artists issues). b) A seminar on arts education within the context of the new media c) A resource guide to people, projects, organizations in the New York Area that are involved in these issues. The arts are broadly defined to include the visual, performing and literary arts. Interested colleagues are invited to send information on people, projects and organizations in these areas to: **Roger Malina at davinci@uclink.berkeley.edu**

## Marin Co. Lodgings Needed in July

Jürgen Claus, editor of *SolArt Global News*, and his wife plan to be in California for the month of July, and would appreciate a below-market house or apartment to rent. Please contact: **Jürgen Claus, Academy of Media Art, Peter-Welter-Platz 2, 50676 Köln, Germany; tel. (+49) 221-201-89-0; fax -124**

## Multimedia Classes

Write or call for course listings to: **SFSU Downtown Center, 425 Market St., San Francisco, CA; 415-904-7700. Also, College of Marin, Indian Valley Campus, 415-883-2211 x8220, and its Kentfield Campus**

## Multimedia Reporter

Newsletter of NorthBay Multimedia Association (NBMA). Highly recommended. April issue features The Brothers Project, a multimedia AIDS education project. It also reports on College of Marin's "Digital Village" at its Indian Valley Campus. This will provide a center with good equipment for developing multimedia projects, with pilot test of a wide-area network-based development environment or "virtual studio." It writes, "The North Bay of San Francisco is a hotbed of small developers." Membership includes discounts to member events as well as networking opportunities. Soon: *Multimedia Reporter* will be online on Women's Wire and E-WORLD. \$45/yr. NBMA, **PO Box 150296, San Rafael, CA 94915; 415-721-1780**

## No Material Existence

"From June 1-4, 1993, I appropriated much of metropolitan Cincinnati, Ohio and northern Kentucky. I appropriated the power grid radio and TV transmission towers, and the telephone lines. I controlled them via a drumming action at the central Nexus located on 344 W. 4th Street. These strategic sectors were claimed by the placement of ikons at sites specific to both the pertinent physical structures, and a larger, significant geometry." So begins the new artist's book by Ylem member Dennis Summers entitled *No Material Existence*. \$15 + \$3 postage from: **Quantum Dance Works, 15100 Sutherland, Oak Park, MI 48237**

## The Art of Science

The New York Academy of Sciences' Education Department helps sponsor The Art of Science for high school students. It needs the help of Ylem members who live in the Northeastern U.S. to introduce students to the idea of integrating the arts with science. **Beatrice A. Klier, Art of Science Project Director, 2 East 63rd Street, New York, NY 10021. 212-838-0230; Fax 212-888-2894; Cable NYACSCI**

*Some calendar items reprinted from Art Calendar (PO Box 199, Upper Fairmount, MD 21867. Subscriptions \$32/yr.), Multimedia Reporter (from North Bay Multimedia Assn.), Video Networks (from BAVC), VO (NYC Chapter, SIGGRAPH), Leonardo Electronic Almanac and FineArts Forum e-mail. We cannot verify all information sent to us.*

## News of Members

Some Ylem members have recently made contributions to education. As Chairperson of the Department of illustration at Parsons School of Design, **Barbara Nessim** has doubled enrollment and incorporated computers into the curriculum. **Scott Kim** has joined two other mathematician-dancers to enact mathematical ideas through funny dances enjoyed by all ages. Among other venues, they have performed for the National Council of Teachers of Mathematics in San Francisco, and are teaching a workshop at the Lawrence Hall of Science in Berkeley. In past months, **Michael Wright** organized children to do murals at two schools in Southern California. **Jo-Ann Castano** is planning a sculpture using polarized light, which audience-participants will help create. It was commissioned by the Architecture Resource Center in Hartford, CT, and funded by the Connecticut Academy for Education in Mathematics, Science and Technology, the Polaroid Corporation and other businesses. An old friend of Ylem, **Ruth Asawa**, recently installed the *Japanese and Japanese American Internment Memorial* in front of the Federal Building in San Jose, CA. Instead of a symbolic figure, she chose to tell the whole story in bas-relief, since the incarceration of these people on the West Coast is an aspect of World War II and American history that is seldom taught.

At the exhibit, Lumen Essence, in New York City, Ylem member **Peter Terezakis** created a sensation. The ASPCA raided the exhibit, convinced that it endangered the animals in it. Reviewer Flash Light writes in *Movements* (published by Art, Science Collaborations, Inc.) "Terezakis had designed an installation piece for the show which entailed digging a pond in the dirt floor and suspending above it a 'laser cannon'....a laser beam was fired periodically into the water...Around the circumference of the pond Terezakis positioned a series of wood and spring mouse traps which were baited and set. Finally, he released a goldfish into the pond....[T]he ASPCA officers...drew their guns before attempting to enter.

They questioned [security guard] Ernest about the work; he explained that the laser was harmless, the fish in no danger. When questioned about the mice he explained that the building was overrun with mice, and the artist had decided to make them part of the installation. Ernest offered the interpretation that Terezakis was using mouse traps to protect the fish. Ernest reported that the officers seemed humiliated at their misinterpretation of the artwork."

Other recent exhibits that have included work by members: Digital Salon, New York, **Barbara Nessim**, **Diane Fenster** and **Pamela Hobbs**. Sacred Earth, Fremont, CA, **Beth Avary**. Women and the Body, San Jose, CA, **Magi Bollock**, **Helen Golden** and **Nancy Tector**. A World of Maps, Anchorage, AK, **Therese Lahaie**, **Myrrh**, and **Mary Stieglitz Witte**. Digital Artifacts, Chico, CA, **Michael Wright**.

Solo shows by members have included Biotechnology Zone, in San Francisco by **Mike Mosher**; Random Access

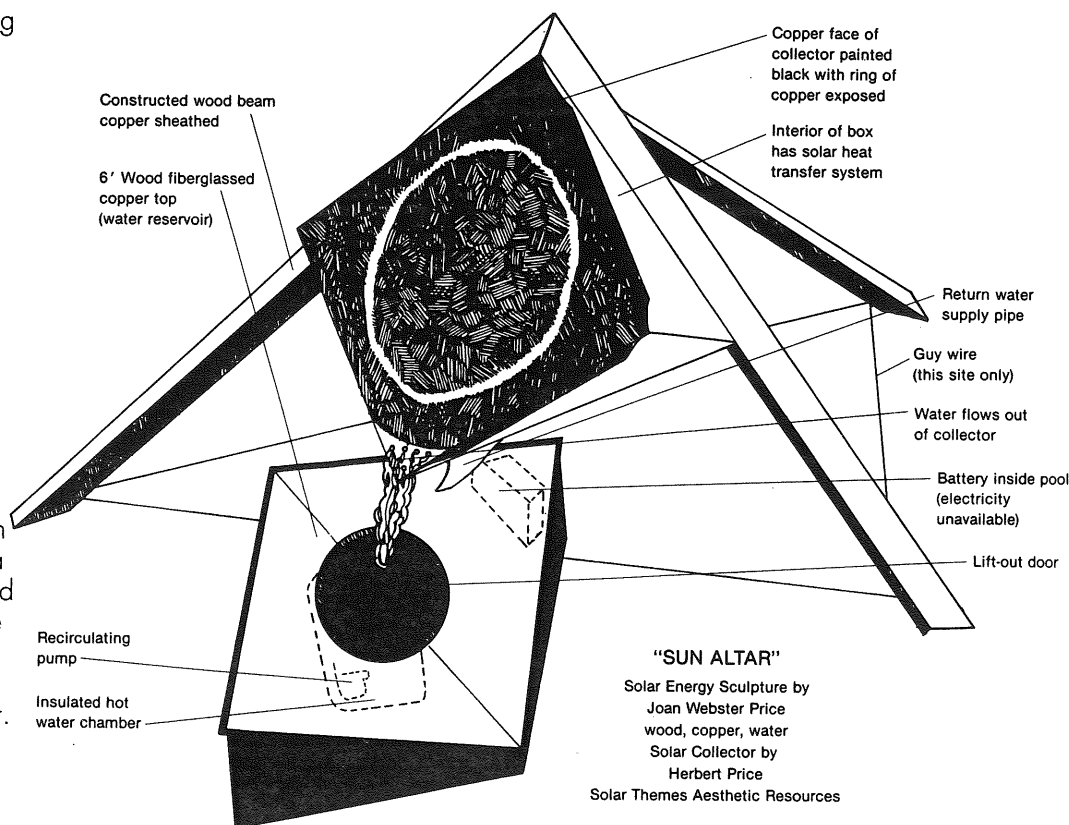
Memories, Cincinnati, OH by **Barbara Nessim**; Computer Mediated Imagery, Aberdeen, ND by **Michael Wright**. Women's Work, a travelling show of outdoor bronze sculpture by **Rhonda Roland Shearer**, is currently in Jacksonville, FL, and will travel to Charleston, SC, and Knoxville, TN.

The April cover of *Magic* featured the face of Martin Gardner digitized in dominos by **Ken Knowlton**. A recent addition to the format of *Leonardo* is the publication of short current articles and works of art. Short items in the latest issue included those by **Ronald R. Brown**, **Marjorie Franklin**, **Roger Malina**, **Anita Margill**, **Alex** and **Martha Nicoloff**, **Sonya Rapoport**, **Beverly Reiser** and **Ken Rinaldo**.

### Erratum

*Streetart*, reported in the April issue of *Ylem*, is done by Jean Plough, 1222 Dickinson St., Philadelphia, PA 19147, not Susan Plough.

*Sun Altar*, diagram of solar sculpture shown on page 3 by **Herbert and Joan Webster Price**



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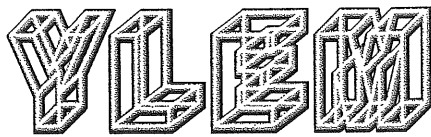
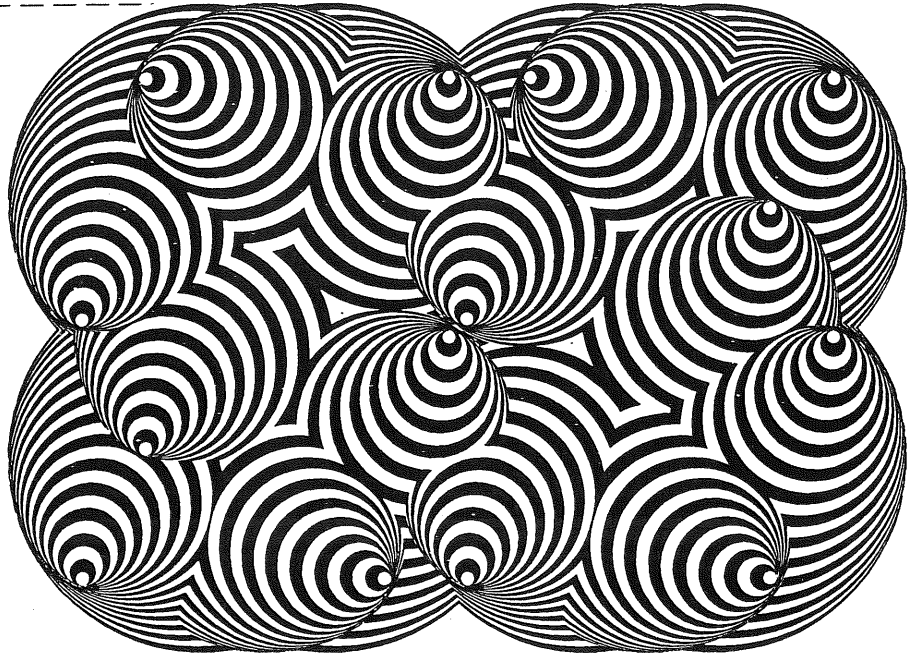
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Right: computer art by Craig Cassin



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